

Day 0 – 21-October-2024		6:00 PM – 8:45 PM		Pre-Registration & Networking (Ballroom & Hilton Roof Top, All are Welcome)	
7:30 – 8:10		<b>Breakfast</b>			
8:10 – 8:15		<b>Welcome Message – Dr. Faisal Khan</b>			
8:15 – 9:15		<b>Plenary Speaker – Dr. Michael Hamblin (Woodside)</b>			
9:15 – 9:45		<b>Regroup to Breakout Rooms - Coffee Break</b>			
Room	Mockingbird	Amphitheater	Unique1	North/South	Oakwood Ballroom
9.45 – 11:45	<b>Managing Process Safety</b>	<b>Hydrogen Safety</b>	<b>Consequence Analysis, Flammability, Combustion, Explosion</b>	<b>Ocean Safety Day</b>	<b>Data Technology</b>
9.45 – 10:15	<b>Keynote Address – Dr. Ray Mentzer</b>	<b>Keynote Address – Dr. Mohammad Modarres</b>	<b>Keynote Address – Dr. Paolo Gardoni</b>	<b>Keynote Address -Dr. Steven Wong</b>	<b>152 - Driving Successful AI Adoption in the Automation Industry: A Practical Approach, Sabina Azizli (Honeywell)</b>
10:15 – 10:45	<b>51-Advancing Pipeline Safety: Leveraging Machine Learning and Data Analytics for Leak Failure Prediction-Hadiseh Ebrahimi (BakerRisk)</b>	<b>159 - Insights for hydrogen safety from Quantitative risk assessment (QRA): implications for fueling stations, forklifts, pipelines, and electrolyzers – Katrina Groth (U of Maryland)</b>	<b>33-Modified Williams' Mist Model to Include Shape Effects-Henry Foust (U of Houston)</b>	<b>73- Machine Learning for Deepwater Drilling Operations: Case studies for Rig State Classification, Early Gas Kick Detection, and Downhole Quantitative Evaluation of Gas Kicks- Mayank Tyagi (LSU)</b>	<b>123 - 3 ways to reduce OT cyber risk while maintaining production time - Matt Malone, (Yokagawa)</b>
10:45 – 11:15	<b>139-The Situation in the Field of Safety Culture in the Czech Republic with Regard to the Prevention of Major Accidents-Ivana Slovackova (U of Ostrava)</b>	<b>NFPA 2: A Working Overview of Hydrogen Facility Fire Codes – 52- Joshua Ruiz (Power Engg)</b>	<b>55-Fire of plant protection products - hazard identification-Jan Przybysz (Central institute for Labour Protection, Poland)</b>	<b>96- Innovations in the Integrity Management of Offshore Grating- Ioannis Kalpakidis (Simpson Gumpertz &amp; Heger Inc)</b>	<b>30 - SIS Modernizations in the Digital Transformation Age - Chow (E), Digital Transformation (Emerson)</b>
11:15 – 11.45	<b>88-Risk and Supply Chain Issues in Optimizing Hazardous Materials Transportation Schemes-Vasiliki Kazantzi (U of Thessaly)</b>	<b>Investigating the Formation of H2/O2 Explosive Mixtures in Low/High Pressure PEM Water Electrolyzers: A Fault Tree Analysis Approach – 23 – Tomasz Olewski (TAMU, Qatar)</b>	<b>7-Assessment of the Vaporization Rate of Sulfur Dust and Its Application in the Prediction of the Associated Dust Explosion Properties-Asma Abousrafa (TAMU Qatar)</b>	<b>216- Around Monopiles and Its Implications for Safety- Nadim Zgheib (U of T, Rio Grande)</b>	<b>112 - The Connected Workforce- Antosh, (ProLytx)</b>
11:45 - 1:00	<b>Lunch - Plenary Speaker – Dr. Scott Davis (Gexcon)</b>				
1.00 – 3.00	<b>Functional Safety, Control Systems, ASM, SIS/SIL/LOPA, Alarms</b>	<b>Learning from Incidents, Investigations, Case Histories, Incident Data</b>	<b>Operational Risk Management</b>	<b>Ocean Safety Day</b>	<b>Instrumentation</b>
1:00 - 1:30	<b>59-Reduce Loss of Containment Safety Risk with Continuous Real-Time Corrosion Monitoring-Michael Machuca (Emerson)</b>	<b>Keynote Address – Trish Kerin (iChemE)</b>	<b>32-Captive Key Systems as an Effective Process Control Method-Virginia Holland (Sofis)</b>	<b>Keynote Address - Cai Ferguson</b>	<b>64 - pH Measurement Best Practices - McMillan, pH (Intl Society of Automation)</b>
1:30 - 2:00	<b>29-BPCS IPLs: Not all BPCS loops are created equal.- Aracely Acevedo Artech (Audobon Engg)</b>	<b>188-Safety Culture: Almost 40 years of Experience-Mark Griffon (Anna Maria College)</b>	<b>150 - Risk based approach to establish on site health centers in the Oil and Gas Sector – 150- Diara Malick (ExxonMobil)</b>	<b>170- Use of digital twin and machine learning for real-time estimation of wave/current and riser/mooring dynamics with fewest sensors- MooHyun Kim (TAMU)</b>	<b>13 - In-Situ Verification of Mass, Density, and Volume - Hoover (Endress) (Endress+Hauser) and Richard Guilbeau (Chevron)</b>
2:00 - 2:30	<b>37-Improving Integration between Process Safety and Functional Safety-Jenny Wilson (Fluor)</b>	<b>141-Thirty Year Review and Analysis of Reactive Incidents. Real Cost and Prevention of Future Incidents-Irene Uriarte Villanueva (FMGlobal)</b>	<b>14-Improving Operations Leaders PSM Decision Making- Dave Drerup (Operational Sustainability)</b>	<b>85- BSEE Renewables – A Different Approach to Oversight- Jonathan Fraser (BSEE)</b>	<b>47 - Ensure regulatory compliance and enable real time pressure relief valve monitoring with wireless technologies - Machuca (E) PRV monitoring (Emerson)</b>
2:30 - 3:00	<b>77-Fault-prognostic Explicit Control of Safety-Critical Reaction Processes with Bayesian State Estimation- Austin Braniff</b>	<b>154-When Knowledge Transfers: Connecting Lessons Learned to Organizational Memory-Kristin Robbins (IOMosaic)</b>	<b>36-How to get data for your risk assessment and how to use its results? The marvels of expert elicitation and the decision-making process.-Hans Pasman (TAMU)</b>	<b>194- Offshore Crane Safety Related to Human Errors: A Review- Weihang Zhu (U of Houston)</b>	<b>43 - Auto-arming of Hydrocracker Temperature Excursion Interlock – Rodney Braun (Flint Hills Resources)</b>
3:00 – 3:30	<b>Coffee Break – Booth Networking</b>				
3:30 – 5:30	<b>Asset Integrity Management</b>	<b>Accident Modelling and Investigation</b>	<b>Risk Assessment</b>	<b>Ocean Safety Day</b>	<b>Process Control Systems</b>
3:30 – 4:00	<b>204-Internal Corrosion Management and Failure Analysis Framework-Susmitha Kotu (DNV)</b>	<b>99-Consequence Modelling for Ammonia Safety: A Comparative Analysis for Assessing Toxicity Risks in Industrial Applications-Khama Matiti (MES)</b>	<b>66-Using an Enhanced Onshore QRA Tool and PowerBI to Analyze and Manage Risk Effectively-Ganesh Mohan (Chevron)</b>	<b>107- SMART-SEA: Ship Collision Avoidance of Stationary Structures through Integrated Machine Learning Radar Image Detection and High-Fidelity Maneuvering Models- Mirjam Furth (TAMU)</b>	<b>15 – Panel Discussion - Discussion of Control System Migration Challenges and Methods – Mozisek Brian Mozisek (Burrow Global), Heath Hendricks (Wood), Victor Torres(Burrow Global)</b>
4:00 – 4.30	<b>215-Small Bore Tubing – Guidelines for Mitigating Static &amp; Dynamic Loads-Damien Hurley (Fluor)</b>	<b>147-A physics-informed data-driven model applied for gas dispersion modelling of complex geometry-Savio Vianna (U of Campinas)</b>	<b>163-Bhopal Tragedy - Forty Years Later: Progress, Persisting Challenges, and the Path Forward-Rajender Dahiya (SARP Risk)</b>	<b>120- Understand the Cognitive Science that Underpins Reliable Safety Designs- Tom Shephard (TSG)</b>	
4:30 – 5:00	<b>211-Application of Machine Learning Concepts in Inspection Data Management System at Process Plant Facilities-Dheerajkumar R Narang ((Harrisburg University)</b>	<b>129-Natech accidents caused by wildfires and Interfaces fires: an emerging threat for the chemical and process industries- Valerio Cozzani (U of Bologna)</b>	<b>78-An Operability Case Study of a Proton Exchange Membrane Water Electrolyzer System-Beatriz Dantas (West Virginia U)</b>	<b>213- Metahuman Models for Reducing Human Exposure to Hazardous Conditions During Offshore Wind Turbine Operations and Maintenance- Jian Tao (TAMU)</b>	<b>45 - Workshop - Control Valve Performance: Testing and Specifying to Achieve Desired Process Performance, James Beall (Enero Solutions)</b>
5:00 – 5:30	<b>224-Preventive Risk Engineering: Revolutionizing Insurance Inspections-Rajender Dahiya (SARP Risk)</b>	<b>160-Re-Thinking Root Cause Analysis: How Common Problem-Solving Tools Contradict the Fundamentals of Science and Engineering-Mark Galley (ThinkReliability)</b>	<b>101-Our Approach to review and improve quality in Process Hazard Analysis (PHAs)-Karthick Deivasagayam (Teck)</b>	<b>49- Beyond Technical Barriers: Enhancing Onboard Safety through Human-Machine Interaction Management in Ammonia-Powered Ships- Rustam Abubakirov (TUDelft)</b>	
5:45 – 8:00	<b>Awards Banquet – Free for all registrants</b>				

Day 1 – 22-October-2024

2024 MARY KAY O'CONNOR PROCESS SAFETY & RISK CONFERENCE, OCTOBER 22-24, 2024

Day 2 – 23 – October – 2024

Breakfast						
8:15 – 9:15						
9:15–9:45						
Room	Mockingbird	Amphitheater	Uniquel	North	South	Oakwood Ballroom
9:45 – 11:45	<b>Cyberphysical System and Big Data</b>	<b>Managing Process Safety</b>	<b>Accident Modelling</b>	<b>Learning from Incidents, Investigations, Case Histories, Incident Data</b>	<b>Ocean Safety Day</b>	<b>Safe Automation Practices 1</b>
9:45 – 10:15	46-Navigating the Convergence of Safety and Security Risks-Kok Hwa Lim (Singapore Institute of Technology)	31-Alternatives to Car Seal Management Programs-Virginia Holland (Sofis)	1-Process Safety - Protecting People and The Environment-Stefan Mizera (Rockwell Automation)	84-Identification of reference scenarios from incident datasets using Bayesian Network-Matteo Iaiani (U of Bologna)	OESI – IAB Meeting (Closed session)	95 - Building Blocks of Safety: Fostering a Learning Organization Culture for SIS Excellence – Gregorio Aguilar (Celanese)
10:15 – 10:45	183-Exploring Control and Safety System Architectures: Assessing Cybersecurity Pros and Cons'-Marco Ayala (InfraGard Houston)	38-Improving Safety Performance: Compliance versus Competence - How will the Process Industries transcend from the former and achieve the latter? - Michael Taube (S&D Consulting, Inc.)	205-Chlorine and Ammonia Removal by Dry Deposition during an Accidental Release-Tom Spicer (University of Arkansas)	169-Imagining the Future – Disaster Prevention Is A Verb, 35+ Years Post Piper Alpha-Robert Wittkower (Omega Technical Services)		16 - Strategic Alignment between Process Hazard Analysis and Safety Instrumented System Design - Lianwei Zhong (Albemarle)
10:45 – 11:15	212-Feature Selection Methodology for Developing a Supervised Machine Learning Model for Risk Based Inspection Study on Process Plant Assets-Dheerajkumar R Narang (Harrisburg University)	164-Open Actions Means Unmitigated Risk: Are You in Control of your Actions-Rajender Dahiya (SARP Risk)	200-Application of Dynamic Simulation for Accurate Relief Rate Estimation and Dispersion Modeling: A Case Study in Process Safety-Reza Sanij (Evonik)	56-Troubleshooting BGCAPP MPT Startup Temperature Indicator Installation Error with Process Knowledge, Calculation and Modeling-Joseph Wall (Parsons Corporation)		54 - State-Based Suppression in Alarm Management: A Low-Hanging Fruit That Is Ripe for the Picking – Stephen Reilly (AESolutions)
11:15 – 11:45	58- Defining an Industrial Zero Trust Vision-Alexandre Peixoto (Emerson)	199-Enhancing Process Safety in Specialty Chemical Industry through Accurate Estimation of Physical Properties-Reza Sanij	61-Investigating the regimes following underground gas releases: from Gas Migration to Crater Formation-Ola Srour (TAMUQ)	178-A Common Approach to Toxic Risk Safeguards-Rance Ford (ExxonMobil)		119 - Application Software, Instrumentation, Process Automation and IPS – Greg Hall (Eastman)
11:45 - 1:00						
Lunch - Plenary Speaker Mary Gerschefski (Shell)						
1:00 – 3:00	<b>Data Analytics and Big Data</b>	<b>Consequence Analysis, Flammability, Combustion, Explosion</b>	<b>Managing Process Safety</b>	<b>Hydrogen Safety</b>	<b>Ocean Safety Day</b>	<b>Safe Automation Practices 2</b>
1:00 - 1:30	198-Barrier management as a basis for the functional integration of safety and security domains in critical infrastructures - an analysis of the existing technical framework-Juan Angarita (IMS Global)	137-Evaluation protocol for BLEVE models-Logan Vogel song (Blue Engineering & Consulting)	75-Assessing Safety Culture Across Five Oil and Gas Refineries: A Comprehensive Study-Reza Sanij (Evonik)	125-DNS MODELLING OF FLAME DYNAMICS IN LEAN HYDROGEN MIXTURE AT DIFFERENT PRESSURES-Savio Vianna (University of Campinas)	40- Human Factors Considerations – Ammonia Fuel in the Maritime Industry- Toby Garner (Monaco Engineering Solutions)	103 – Workshop - ISA 84.91.03 – Kevin Klein (Chevron)
1:30 - 2:00	208-Teaching Cyber Security to Chemical Engineering Students- Helen Lou (Lamar University)	22-Modeling of the behavior of a gas generating chemical system under runaway conditions during venting-Luc VECHOT (TAMUQ)	87-Using online risk tools (CloudQRA) to consider risk mitigation for atypical large open domains such as FLNG and deepwater facilities-Zoe Wattis (DNV)	102-Unlocking the Power of Safety: Innovative Strategies for Explosive Protection in Hydrogen Applications-Andreas Brandl (IEP Technologies)	41- Application of Safety Critical Task Analysis (SCTA) method in the offshore industry- Toby Garner (Monaco Engineering Solutions)	
2:00 - 2:30	79-A cyber-attack detection based on time-delay mutual information analysis-Fangyuan Ma (Peking University HSBC)	127-Are empirical explosion models enough to evaluate far-field explosion pressures with complex topography? - Jesse Brumbaugh (Gexcon)	158-Multilevel Flow Modeling for Improving Safety of Hydrogen Refueling Stations-Ruixue Li (Technical University of Denmark)	197-A Global Mapping of Best Practice Design Standards for Hydrogen Project Developers-Bryce Levett (Kent)	191- On the Design of Ports and Vessels for Safe and Efficient Installation of Offshore Wind Farms- Shintaro Sobashima	
2:30 - 3:00	171-Appling Advanced Data Analytics to Predict (and Prevent) Process Safety Incidents-Meor Ahmad Qadri Mohd Zahari (ExxonMobil Malaysia)	86-Evaluation of a multi-phase dispersion model for the simulation of CCUS scenarios-Andreas Mack (Gexcon)	185-Crediting Fired Equipment Protection Systems in Process Hazard Analysis-Karen Morton (Hargrove Controls + Automation)	193-Quantitative Risk Assessment of Hydrogen Powered Passenger Car in Road Accidents-Mahasin Alam Sk (Singapore Institute of Technology)	97- Mooring Analysis of Floating Offshore Wind Turbines in Shallow to Intermediate Water Depths- Haidong Lu (Prairie View A&M U)	118 - SIS Digitalization Journey at a Energy Provdng Company Muthiah Nagappan (Phillip66), Jyoti Sharma (SIS-TECH)
3:00 – 3:30						
Coffee Break						
3:30 – 5:30	<b>Operational Excellence, Best Practices, Worker Involvement</b>	<b>Risk Assessment</b>	<b>Process Safety Automation</b>	<b>Accident Modelling</b>	<b>Ocean Safety Day</b>	<b>Test Considerations</b>
3:30 – 4:00	100-Development of a Practical Guidance Document for Determination of Fire Scenarios and Passive Fire Protection Requirements at Oil & Gas Facilities-Onder Akinci (SGH)	67-How PowerBI and an Improved Offshore QRA Tool Enable Faster and Better Risk Decisions-Ganesh Mohan (Chevron)	3-Fundamentals of AI - Creation of a HAZOP Automation and Augmentation Tool-Edward Marszal (Kenexis)	44-COMMON PSM GAPS REVEALED IN WORLDWIDE FATAL PROCESS SAFETY INCIDENTS-Sheraz Syed (Engro Fertilizers)	189- Reliability Assessment of Floating Offshore Wind Platforms Susceptible to the Pitch Motion in Random Loads- Weishan Lyu (TAMU)	93 - Workshop - Proof Testing: Past, Present, Future- Pat Skweres (SIS-TECH), John Thibodaux (Dow), and Chris Garcia (Villanova University)
4:00 – 4:30	106-Optimizing Process Safety for Operational Excellence-Muhammad Iqbal Qasim (Baker Hughes)	98-Magnetic Nanoparticles as Draw Solute in Forward Osmosis Treatment of Produced Water-Sunith Madduri (PVAMU)	173-Safety and Productivity Benefits Using Electro-Hydraulic Actuators for Liquid Chemical Feed Control-Mark Ferra	65-Lifting the Veil: A Decade of Research Reveals New Thinking and Industry Trends in Human Factors and Operational Resilience-David Wilbur (Veteryg Group)	192- Multi-fidelity Digital Twins for Prognostics Safety Management of Offshore Wind Plants- D. Todd Griffith (UT Dallas)	
4:30 – 5:00	62-Aligning Process Safety Competency with Confidence to Improve Risk-Based Process Safety Decision-Making in the Process Industry: Enhancing Engineering with Psychology-Luc VECHOT (TAMUQ)	68-Phast CFD: A Novel Extension to Onshore QRA Applications-Ganesh Mohan (Chevron)	71-The SIS certification numbers - how hard can it be?-Martin McDonough (Emerson)	206-A comparison between genetic algorithm and integer optimisation for gas detector optimisation based on computational fluid dynamics-Savio Vianna (University of Campinas)	148- Remote Smart Monitoring of Offshore Wind Plant Components- Mario Rotea (UT Dallas)	
5:00 – 5:30	9-The Role of Process Safety Knowledge Management in Operational Excellence-Tekin Kunt (PSRG Inc.)	18-Is ISA 84.91.03 in agreement with NAMUR NE 165?-Luis Manuel Fernando Garcia Garcia (Siemens)	53-Remote Operations – Plant Design & Safe Operations Strategy-Javeed Mohammed (Fluor Canada Limited)	202-Hybrid CFD/analytical approach to assure safe blanketing of storage tanks-Bjorn Nilberg (Kent)	181- Hydrate Formation with the Memory Effect Using Classical Nucleation Theory-Emre Arslan (TAMU)	166 - Use Operation and Maintenance Records for Safeguards to Support API 754 Tier 3 and 4 Metrics-Angela Summers (SIS-TECH) and Julia Bukowski (Villanova University)
5:30 – 6:30						
Happy Hour – Exhibitor Networking (Hilton Hotel, College Station)						
6.30 - 9.00						
BBQ Networking Session (Brazos Center)						

Day 3 - 24-October-2024

Breakfast						
Plenary Speaker Stacy Noem						
Regroup to Breakout Rooms - Coffee Break						
Room	Mockingbird	Amphitheater	Unique1	North	South	Oakwood Ballroom
9:45 – 11:45	<b>Operational Excellence</b>	<b>Accident Modelling</b>	<b>Consequence Analysis, Flammability, Combustion, Explosion</b>	<b>Functional Safety / Corrosion &amp; Material Failure</b>	<b>Ocean Safety Day</b>	<b>Optimizing Reliability</b>
9:45 – 10:15	117-Enterprise Loss Prevention: The Path to Achieve Operational Excellence-Dave Drerup (Operational Sustainability, LLC)	217-Identification and Performance Analysis of Eco Friendly Fire Retardant on Wood Surface Testing Surfaces with Solved based Paint-Jayandran Mohan (Sathyabama Institute of Science and Technology)	70-Pyrophoric Material Safe Handling & Risk Management Control-Omar Marghalani (SABIC)	195-The Value in Applying Process Safety Management to Enhance Safety in Non-Mandatory Compliance Facilities-Domingo Elias (Gexcon)	174- Enhancing Ocean Surface Current and Wave Estimation Through Real-Time Inverse Modeling Using TABS Buoy Data and Artificial Neural Networks- Dosoo Kwon (TAMU)	207 - Panel - Instrumentation Reliability – Brad Propst (Freeport LNG)
10:15 – 10:45	124-The Institute for Operational Excellence and Learning-Stewart Behie (TAMU, Corpus)	210-Fire and Explosion Hazards Associated with the Transfer of Powders into Flammable Solvents-Emmanuel Addai (Prime Process Safety Center)	168-Leveraging CFD to Effectively Evaluate Sensitivity to Ignition Locations when Designing for Explosion Loads-Drew Botwinick (Gexcon)	126-Multi-BESS Flame Propagation Analysis: A Comparative CFD Study between Open Source and Commercial Software Solutions-Savio Vianna (U of Campinas)	201- Insights over the Enzymatic Conversion of Carbon Dioxide Utilization for Onboard Carbon Transportation- Mohammad Elkady (TAMU)	
10:45 – 11:15	69-A Systematic Framework for Incorporating Risks in the Design & Optimization of Chemical Supply Chains-Austin Johnes (TAMU)	74-How Modeling the Mixing Condition Enable us to Prevent Detonation-Reza Sanij (Evonik)	138-Validation of KFX against dispersion data sets-Logan Vogelsong (Blue Engineering & Consulting)	226-Digitalization of Functional Safety-Joseph Odell (Hima)	89-IT/OT/ICS & IoT Asset Disposition (ITAD): Review of Methods, Standards, and Certifications for Managing Cybersecurity-Kris Hardwick (Compucycle)	
11:15 – 11:45	72-Examining the Feasibility of Common Coverage Targets for Hazard Mapping-William Pittman (Micropack (Detection) Americas)	20-Implementation of Inherent Process Risk Index (IPRI) in Chemical Engineering Process Simulation Classroom with Project-Based Learning (PBL) Strategy-Yutian Qian (TAMU)	221-Identification and Performance Analysis of three Eco Friendly Fire Retardant Blends (40%) on Carbon Steel Testing Surfaces with Epoxy based Paints-Jayandran Mohan (Sathyabama Institute of Science and Technology)	113-Simulation-based Approach for Assessing Risk Factors in Offshore Wind-Integrated Hydrogen Production Processes-Ahmed Elkady (TAMU)	223-Towards Automating Process Decomposition and Interdependencies Modeling in Heterogeneous Systems-Eman Hammad (TAMU)	122 - Workshop - Apply a Cognitive Ergonomics Design Model to IEC 61511 Governed Functions – Tom Shephard (TSG)
11:45 - 1:00	Lunch					
1:00 – 3:00	<b>Managing Process Safety</b>	<b>Hydrogen Safety/ Managing Process Safety:</b>	<b>Process Safety Automation and Resilience</b>	<b>Consequence Analysis, Flammability, Combustion, Explosion</b>	<b>Cyberphysical Systems</b>	<b>Upgrading Existing Automation</b>
1:00 – 1:30	179-Integrating Climate Change Impact on Process Safety Management in the Oil and Gas Industry-Nabila Farhana Binti Jamaludin (Universiti Teknologi PETRONAS)	50-Detonation cell sizes for hydrogen-methane mixtures-Milin Martin (TAMU)	140-Model-based fault diagnosis for safety-critical chemical reactors: An experimental study-Pu Du (TAMU)	180-Insights from past lithium-ion battery fire incidents-Sankhadeep Sarkar (TAMU)	81-Integration of probabilistic risk assessment and model predictive control for enhanced safety and control - Sahithi Srijana Akundi (TAMU)	111 - This Isn't Your Grandfather's SIS- Chet Barton (Hargrove Controls)
1:30 – 2:00	109-On the use of sufficiency of measure for optimization of safety critical elements register-Darmawan Ahmad Mukharror	105-Fundamentals of Hydrogen Diffusion through Austenitic Steels-Naga Venkata Saidileep Korlapati (TAMU)	175-Accuracy And Reliability of LOPC Calculations: A Validation Study-Syaza Izyanni Ahmad (Universiti Teknologi PETRONAS)	19-A review of safety guidelines for marine vessels' electrification- Dhananjay Swamy (TAMU)	172-Development of Integrated Inherently Safer Design Assessment Framework using Phenomena Identification and Ranking Table (PIRT).-Mardhati Zainal Abidin (Universiti Teknologi PETRONAS)	57 - Maximizing SMR Furnace Capacity without Compromising Tube Wall Integrity- Alina Green (Wika)
2:00 – 2:30	24-Quantifying Sustainability in the Process Industry-Mitchell Huffman (TAMU)	222-Hazard Identification at Laboratories & Pilot Plants-Ibrahim Al-Jamaan (SABIC)	25-Human Interaction in Cyber-Physical Systems Architecture in Process Industry-Rajeevan Arunthavanathan	110-Experimental Investigation of the Autoignition Temperature and Properties of Hydrogen-Charles Ayi (TAMU)	8-Enhancing the Implementation Strategy of "Simultaneous Operations (SIMOPS)" for the Major Turnaround at Pertamina Plaju Refinery-Daniswara Krisna Prabatha (Pertamina)	165 - Implementing PSSR as Safeguard in LOPA Ulaganathan (Larsen & Toubro)
2:30 – 3:00		)				
3:00 – 3:30	Coffee Break					
3:30 – 5:30						
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